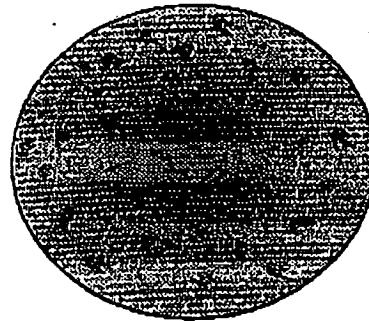


Starting Structure



Above Liquidus



Solidification Started



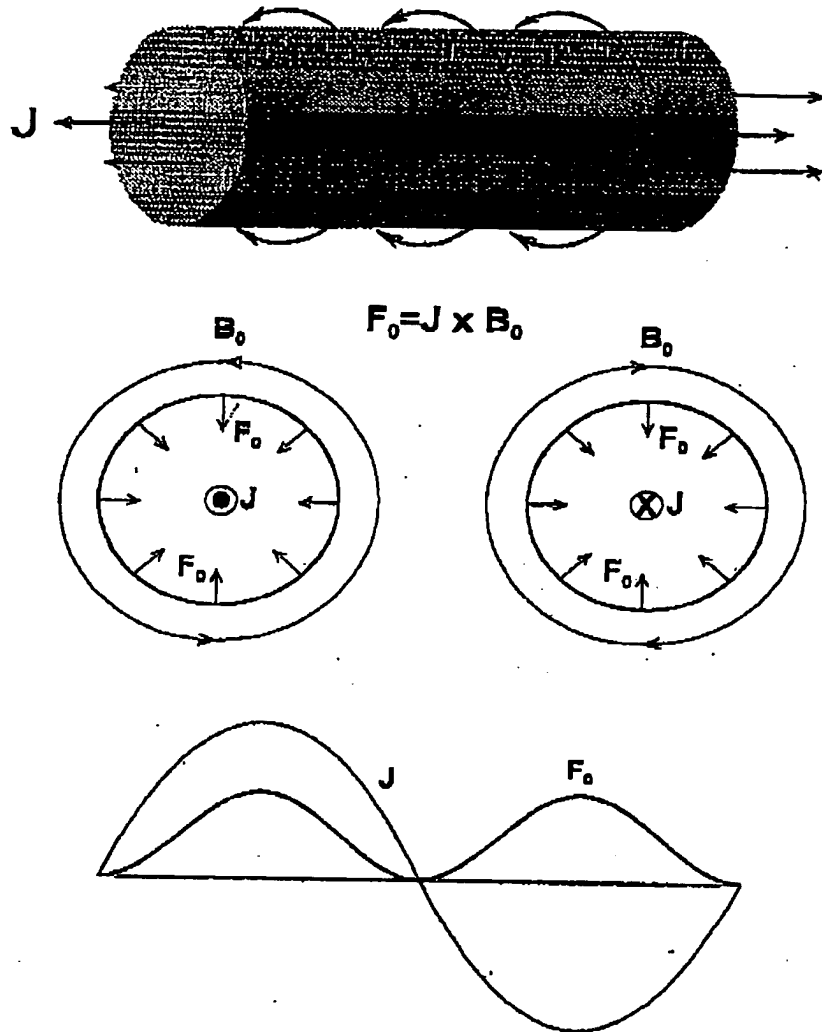
Solidification in Progress



Final Structure

(Fig. 1)

Schematic representation of the effects of electromagnetic vibrations at different stages of solidification of molten Al-17wt%Si alloy containing suspended silicon particles.



(Fig. 2)

Schematic representation of the pulsating force developed by interaction of alternating electric and induced alternating magnetic fields.